TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06	
Consultants	TEJUS CONSULTANTS	
Contractor	Sri. P Hemanth (SOORYA CREATERS)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size	Proposed Use	CONCRETE
Sample Location	2nd cross road	Date of Sampling	12-08-2020
		Date of Testing	13-08-2020

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	518	518	5.18	94.82	90-100
10.0	4632	5150	51.50	48.50	40-85
4.75	4532	9682	96.82	3.18	0-10
Pan	318	10000			

Remarks : Satisfactory / Not Satisfactory

A.E.E. (Project)

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4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

Test Report on Cement

TEJUS CONSULTANTS

Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	12-08-2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	102 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	502 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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A.E.E. (Project)

Test Report on Compressive Strength of Concrete Cubes

TEJUS CONSULTANTS

Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	2nd main road @ ch.45.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	12-08-2020	10-09-2020	28 days	8.586	22500	678	30.13	30.49
2	12-08-2020	10-09-2020	28 days	8.742	22500	684	30.40	
3	12-08-2020	10-09-2020	28 days	8.566	22500	696	30.93	

Remarks : ✓ Satisfactory / Not Satisfactory

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A.E.E.(Project)

Consultant's Representative

TEJUS CONSULTANTS

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike		
Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06		
Consultants	TEJUS CONSULTANTS		
Contractor	Sri. P Hemanth (SOORYA CREATERS)		
Total Weight:	10000	gms	

SIEVE ANALYSIS

Type of Material	12.5 mm down size	Proposed Use	CONCRETE
Sample Location	5th cross road	Date of Sampling	13-08-2020
		Date of Testing	14-08-2020

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	525	525	5.25	94.75	90-100
10.0	4625	5150	51.50	48.50	40-85
4.75	4532	9682	96.82	3.18	0-10
Pan	318	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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A.E.E (Project)

TEJUS CONSULTANTS

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Test Report on Cement

Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	13-08-2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	116Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	480 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	7 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate M sand)	Proposed Use	concrete
Sample Location	5th cross road.	Date of Sampling	13-08-2020
		Date of Testing	14-08-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	214	214	7.13	92.87	90 - 100
2.36 mm	306	520	17.33	82.67	75 - 100
1.18 mm	408	928	30.93	69.07	55 - 90
0.600 mm	492	1420	47.33	52.67	35 -59
0.300 mm	762	2182	72.73	27.27	8-30
0.150 mm	634	2816	93.87	6.13	0 - 10
Pan	184	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Location/Source	5th cross road.	Date of Sampling	13-08-2020
Period of Soaking	24 hours	Date of Testing	14-08-2020

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	652	656	654	
B	Weight of oven - dry sample gm.	639	663	645	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1698	1686	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.608	2.845	2.654	2.703
G	Absorption (%) $\frac{(A-B)*100}{B}$	2.034	-1.056	1.395	0.791

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Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	2nd main road @ ch.105.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13-08-2020	20-08-2020	7 days	8.224	22500	440	19.56	19.53
2	13-08-2020	20-08-2020	7 days	8.326	22500	436	19.38	
3	13-08-2020	20-08-2020	7 days	8.432	22500	442	19.64	

Remarks : ✓ Satisfactory / Not Satisfactory

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Consultant's Representative

A.E.E. (Project)

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06	
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri. P Hemanth (SOORYA CREATERS)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size	Proposed Use	Concrete
Sample Location	2nd cross road	Date of Sampling	13-08-2020
		Date of Testing	14-08-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	256	256	2.56	97.44	95 - 100
10.00 mm	4842	5098	50.98	49.02	25 - 55
4.75 mm	4236	9334	93.34	6.66	0 - 10
Pan	666	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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Test Report on Compressive Strength of Concrete Cubes

TEJUS CONSULTANTS

Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	2nd main road @ ch.105.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	13-08-2020	11-09-2020	28 days	8.486	22500	692	30.76	30.70
2	13-08-2020	11-09-2020	28 days	8.324	22500	694	30.84	
3	13-08-2020	11-09-2020	28 days	8.422	22500	686	30.49	

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TEST REPORT

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Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06		
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore		
Contractor	Sri. P Hemanth (SOORYA CREATERS)		
Total Weight:	10000	gms	

SIEVE ANALYSIS

Type of Material	20 mm down size	Proposed Use	Concrete
Sample Location	5th cross road	Date of Sampling	14-08-2020
		Date of Testing	15-08-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	254	254	2.54	97.46	95 - 100
10.00 mm	4843	5097	50.97	49.03	25 - 55
4.75 mm	4236	9333	93.33	6.67	0 - 10
Pan	667	10000			

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Test Report on Compressive Strength of Concrete Cubes

TEJUS CONSULTANTS

Project	Construction of CC Drains and Roads in Saripalya Village in Ward No.06
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	5th cross road @ ch.33.10m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	15-08-2020	22-08-2020	7 days	8.742	22500	438	19.47	19.64
2	15-08-2020	22-08-2020	7 days	8.652	22500	442	19.64	
3	15-08-2020	22-08-2020	7 days	8.548	22500	446	19.82	

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TEJUS CONSULTANTS

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	5th cross road @ ch.33.10m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	15-08-2020	13-08-2020	28 days	8.586	22500	678	30.13	30.49
2	15-08-2020	13-08-2020	28 days	8.742	22500	684	30.40	
3	15-08-2020	13-08-2020	28 days	8.566	22500	696	30.93	

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